

Appln No. 10/809,256
Amdt date November 7, 2005
Reply to Office action of July 5, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A system for reducing the effects of heave movements of a wellhead in an offshore drilling device ~~handling coiled tubing~~ comprising:

a frame;

a coiled tubing stack supported by the frame;

a ~~load~~ heave compensation system for controlling an amount of load transferred from the coiled tubing stack to the wellhead to reduce relative movements between the coiled tubing stack and the wellhead; and

a flexible riser section for connecting the coiled tubing stack to the wellhead in a manner that allows for angular misalignment between the coiled tubing stack and the wellhead; and

a system for monitoring the load on the wellhead and activating the load compensation system when predetermined load limits are exceeded.

2. (Original) The system of claim 1 wherein said frame comprises at least two legs.

3. (Currently amended) The system of claim 1 wherein said frame comprises an upper and a lower section movable relative to

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each other such that the frame may be compacted thereby decreasing the space require to transport the frame.

4. (Currently amended) The system of claim 1 4, wherein said ~~load~~ heave compensation mechanism is positioned in said lower section.

5. (Currently amended) The system of claim 1, wherein said ~~load~~ heave compensation mechanism comprises an accumulator.

6. (Original) The system of claim 5, further comprising a plurality of accumulators.

7. (Currently amended) The system of claim 1, wherein the flexible riser section is connected to the wellhead above the sea level ~~wherein said load compensation mechanism comprises a hook load compensator.~~

8. (Currently amended) The system of claim 7, wherein the flexible riser section comprises a flexible pipe ~~further comprising a plurality of hook load compensators.~~

9. (Currently amended) The system of claim 8, wherein the flexible riser section comprises a pressure containing spherical joint ~~wherein said plurality of hook load compensators are angled off of vertical.~~

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10. (Original) The system of claim 1, wherein said frame supports the load of a BOP and coiled tubing injector and dynamic weight of coiled tubing.

11. (Currently amended) The system of claim 8 4, wherein the flexible riser section comprises a flexible metal pipe that is connected to the wellhead above the sea level [~~further comprising a system for monitoring the load on the wellhead and providing compensation therefor~~].

12. (New) A method of reducing the effects of heave movements of a wellhead in an offshore drilling device comprising:

- providing a frame which supports a coiled tubing stack;
- positioning the frame proximate to the wellhead;

- providing a heave compensation system for controlling an amount of load transferred from the coiled tubing stack to the wellhead to reduce relative movements between the coiled tubing stack and the wellhead;

- monitoring the load on the wellhead; and

- activating the load compensation system when predetermined load limits on the wellhead are exceeded.

13. (New) The method of claim 14, further comprising providing a flexible riser section, which connects the coiled tubing stack to the wellhead in a manner that allows for angular misalignment between the coiled tubing stack and the wellhead.

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14. (New) A system for reducing the effects of heave movements of a wellhead in an offshore drilling device comprising:

a frame;

a coiled tubing stack supported by the frame; and

a heave compensation system for controlling an amount of load transferred from the coiled tubing stack to the wellhead to reduce relative movements between the coiled tubing stack and the wellhead.